

ABSTRACT

An apparatus for transforming the shape of an image in a way that utilizes substantially all the available pixels for both the image generated and the sensor to which the image is projected, is disclosed. Also disclosed is an apparatus and method to reduce or eliminate substantially any blurring associated with a non-planar focal plane associated with an image generated from a curved mirror, particularly when some portions of the image are focused on the plane of the sensor and other portions are blurred. Loss of image resolution is eliminated, thereby achieving desired fiber optic image mapping, by the present invention for coherent and incoherent fiber optic cables.

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